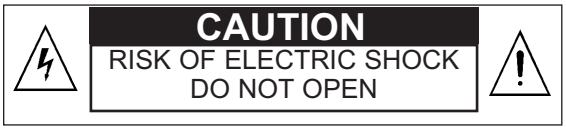
WARNING

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.



Caution: To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying the product.

Caution: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

Attention: Pour é viter les chocs é lectriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqú au fond.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. **DO NOT STARE INTO BEAM.**

The unit employs a Laser System. To prevent direct exposure to the laser beam, do not try to open the enclosure. Visible laser radiation when open and interlocks defeated.

Refer to the identification/rating label located on the back panel of your product for its proper operating voltage.

Caution: Using video games or any external accessory with fixed images for extended periods of time can cause them to be permanently imprinted on the picture tube (or projection TV picture tubes). ALSO, some network/program logos, phone numbers, etc. may cause similar damage. This damage is not covered by your warranty.

Cable TV Installer
This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Customer Record
You will find the model number and chassis number of your unit on the back of your unit. Record these numbers in the spaces provided below. Refer to them whenever you call APEX Digital customer service or your APEX dealer regarding this product.

Model Number:_____ Chassis Number:_____

PACKING LIST	
Parts	**QTY**
TV/DVD Combo	1
Remote Control	1
Operation Manual	1
AAA Alkaline Batteries	2

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. **Warning - This unit should only be serviced by an authorized and properly trained technician. Opening the cover or other attempts by the user to service this unit may result in serious injury or death from electrical shock, and may increase the risk of fire.**

IMPORTANT STAND AND BASE SAFETY INFORMATION

Choose the location for your unit carefully. Place the unit on a stand or base that is of adequate size and strength to prevent the unit from being accidentally tipped over, pushed off, or pulled off. This could cause personal injury and/or damage the unit. Refer to the Important Safety Instructions above.

FCC Warning

Class B Computing Device

Information to User

This equipment has been tested and found to comply with the limits for a Class B Digital Device pursuant to part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment receives interference while off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1) Reorient or relocate the receiving antenna.
2) Increase the separation between the equipment and unit.
3) Connect the equipment into an outlet on a circuit different from that to which the unit is connected.
4) Consult the dealer or an experienced radio/TV technician for help and for additional suggestions.

The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio - TV Interference Problems". This booklet is available from the US Government Printing Office. Washington, D.C. 20402, Stock No. 004-000-00345-4.

FCC Warning

The user is cautioned that changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

NOTE: In order for an installation of the product to maintain compliance with the limits for a Class B Device, shielded cables must be used.

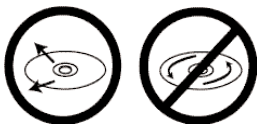
WARNING:
THE REGION CODE FOR THE UNIT IS 1.

CLASS 1
LASER PRODUCT

Since it is very usual for DVD movies to be released at different times in different regions of the world, all players have region codes and disks can have an optional region code. If you load a disk of a different region code to your player, you will see the region code notice on the screen. The disk will not play, and should be unloaded.

Notes on Discs

HOW TO HANDLE, CLEAN, AND STORE DISCS.



Handling discs

- DO NOT TOUCH THE PLAYBACK SIDE OF THE DISC.
- DO NOT ATTACH PAPER OR TAPE TO DISCS.

Note:

APEX DIGITAL INC. SHALL NOT BE RESPONSIBLE FOR DAMAGE THAT MAY OCCUR TO A DISC FROM BEING OPERATED IN THE UNIT.

Cleaning discs

- Fingerprints and dirt on the disc cause picture and sound deterioration.
  Wipe the disc from the center outward with a soft cloth. Always keep the disc clean.
- If you cannot wipe off the dirt off, wipe the disc lightly with a slightly moistened soft cloth a finish with a dry cloth.
- Do not use any of solvent such as paint thinner, benzine, commercially available cleaners or anti-static spray for vinyl LP's.

Storing discs

- Do not store discs in places subject to direct sunlight or near heat sources.
- Do not store discs in places subject to moisture and dust.
- Store discs vertically in a case. Stacking or placing objects on discs outside of their case may cause warping.

Playable discs

This unit can play back the following discs.

	Disk Mark	Contains	Disc Size	Maximum playback time
DVD video disc	DVD VIDEO	Audio +Video (moving pictures)	12cm	Approx. 4 hours (single sided disc)
				Approx. 8 hours (double sided disc)
Audio CD	COMPACT disc DIGITAL AUDIO	Audio	12cm	Approx. 74 minutes
			8cm (CD single)	Approx. 20minutes
WMA	Designed for Windows Media™	Audio	12cm	Up to 22 hours playback
MP3 CD	MP3	Audio	12cm	Up to 10 hours
KODAK Picture CD	PICTURE CD COMPATIBLE	Spec.	12cm	

Notes on regional numbers

DVDs are divided into separate regions. The United States and Canada are designated as region 1 DVD.

Your unit plays region 1 DVDs only.

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Feature Descriptions

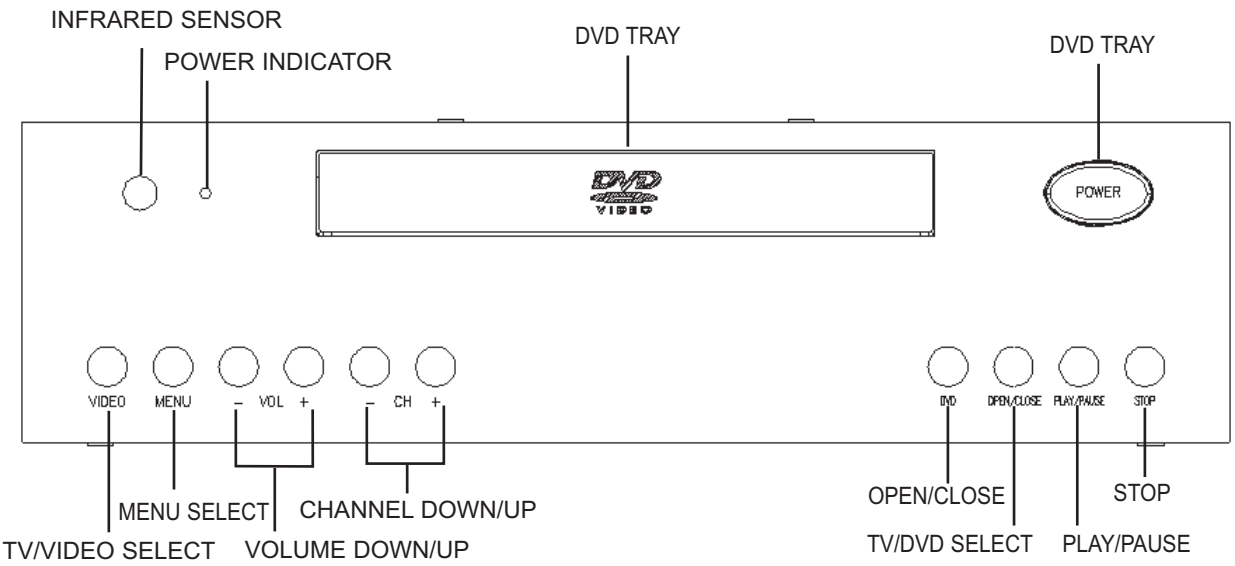
181 Channel Tuner - total number of channels the TV can receive: 2-69 in Air mode, or 1-125 in Cable mode
AV Input (Rear) - standard composite input designed for use with A/V devices, such as a VCR or DVD player
AV Output (Rear) - output signals from TV to devices such as VCR's
S-Video Input - input designed for greater clarity and sharpness; also known as S-VHS
RF IN Jack - standard coaxial antenna jack
Channel Recall - instant return to the last channel viewed
Closed Captions Display - feature that displays the closed captions or text of a TV broadcast
Remote Control - A wireless remote control unit for the TV
On/Off Timer - feature that allows the user to set a time for the TV to turn on or off
Parental Control - feature that allow parents to block out selected type of programming
Screen Size - the diagonal size of the TV screen
Selectable Picture Modes - preset standards for TV display: User, Normal, Movie and Sports
Selectable Sound Modes - preset standards for TV sound: User, Normal, Speech Movie and Music
Trilingual On Screen Display (OSD) - TV's on screen display can be either English, French or Spanish
MTS Stereo/Video Stereo- stereo sound for superior TV viewing experience
AVC - Auto Volume Correction
DVD/CD/MP3/WMA/KODAK Picture CD Support
Digital Audio COAXIAL Output (Rear)
3 Line Comb Filter

SPECIFICATIONS

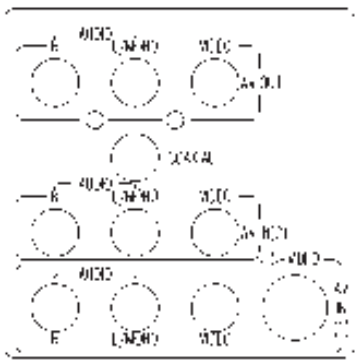
MODEL	GT1417DV
Television System	NTSC-M
Channel Coverage	VHF 2-13, UHF 14~69
Cable TV Coverage	Mid Band (A-8~A-1, A~I); Super Band (J~W) Hyper Band (AA~ZZ, AAA, BBB) Ultra Band (65~94, 100~125)
Channels Preset	181
Antenna Input	75 ohm (unbalanced)
Screen Dimensions	11.22 x 8.43 in. 285 x 214 mm
Audio Output	1W + 1W
Total Harmonic Distortion	<7%
Power Source	~120Vac 60Hz
Unit Weight	30.8 lbs. (14 kg)
Unit Dimensions	14.80 x 15.08 x 16.77 in. 376 x 383 x 426 mm
Packaged Dimensions	16.81 x 17.52 x 18.78 in. 427 x 445 x 477 mm
Power Consumption	100W

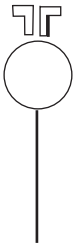
Front and Rear Unit Profiles

Front panel



Rear panel





ANTENNA IN

Remote Control Features

Programming the Remote Control

1. Set the **TV/DVD/VCR** switch to the device you want to control.

2. To program the remote control

1) Press and hold the **SET** key for over 3 seconds until the LED indicator on the remote control lights up. The remote control is now in the PROGRAMMING mode.

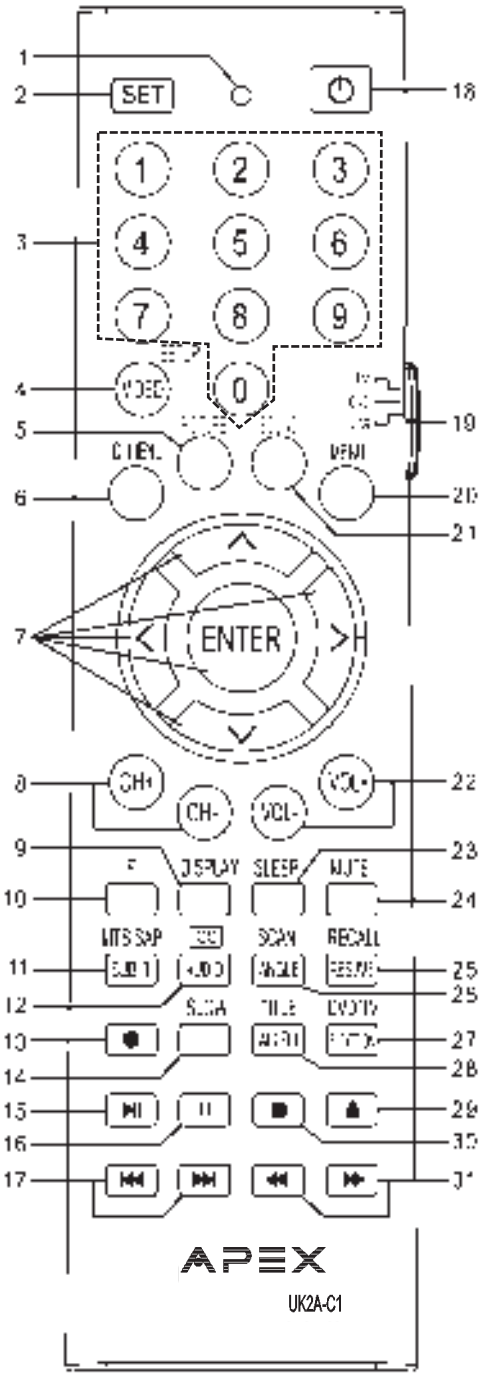
2) Use the **0-9** keys to enter two-digit code number for your device. If the right code number was entered, the LED blinks three times and the remote control exits from the PROGRAMMING mode. If you enter a code not listed below, the LED blinks five times and then lights up until you reenter a right code number.

3) In the PROGRAMMING mode, press any other keys than **0-9** and **F** to quit the mode.

4) If there is no operation within 10 seconds, the remote control will automatically exit from the PROGRAMMING mode.

3. Code table

TV	00, 01
DVD	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12
VCR	00, 01



Notes:

1. When in operation, please point your remote control directly to the infrared sensor.
2. Do not expose the remote control to impacts, water or disassemble it.
3. Do not repeatedly press the buttons on theremote control. Allow interval of no less than one second between selections.
4. When " ✋ " displayed during DVD playback, the function is not operational.

Remote Control Features

The keys marked with * have composite functions and the key in boldface type function for DVD only as shown below.

No.	Button	Function Description	
		TV	DVD
1	——	LED indicator	
2	**SET**	Used to program the remote control	
3	0~9	Channel number (0~9)	Number (0~9)
*4	VIDEO (SETUP)	TV/Video select	Setup
5	PICTURE	Picture mode select	
6	**D_MENU**	——	DVD menu
7	∧ , ∨ , < , > /ENTER	Used to navigate the menus/Accesses the sub menus	
8	CH+/CH-	Channel up/down	——
9	DISPLAY	On-screen display	
10	F+VOL-/F+VOL+	Decrease/Increase volume by 4 levels	
	F+MUTE	Child lock	
*11	MTS/SAP (**SUB_T**)	Stereo/SAP	Sub title
*12	CC (**AUDIO**)	CCD/Text	Audio channel select
13	●	——	
14	SLOW	——	Slow playback
15	⏯	——	Play/Pause
16	⏸	——	
17	⏮ ⏭	——	Previous track/Next track
18	⏻	Standby	
19	TV/DVD/VCR switch	Shifts the remote to control one of the three devices	
20	MENU	Menu select	
21	SOUND	Sound mode select	
22	VOL+/VOL-	Volume up/down	
23	SLEEP	Sleep off	
24	MUTE	Mute on/off	
*25	RECALL (**RESUME**)	Recall	Resume
*26	SCAN (**ANGLE**)	Channel scan	Angle select
27	DVD/TV	DVD on (TV/Video off)	TV/Video on (DVD off)
28	TITLE	——	Title
29	⏏	——	Open/Close
30	■	——	Stop
31	⏪ ⏩	——	Fast rewind/Fast forward

INSTALLATION

- Please read the safety instructions in this manual completely before installation.
- Install your TVan area where direct sunlight will not fall upon the screen.
- Soft, indirect light is best for television viewing.
- Allow enough space (at least 4 in.) between the TV and any walls or enclosures for proper ventilation.
- Optimum television viewing distance is 3-5 times the screen's size.

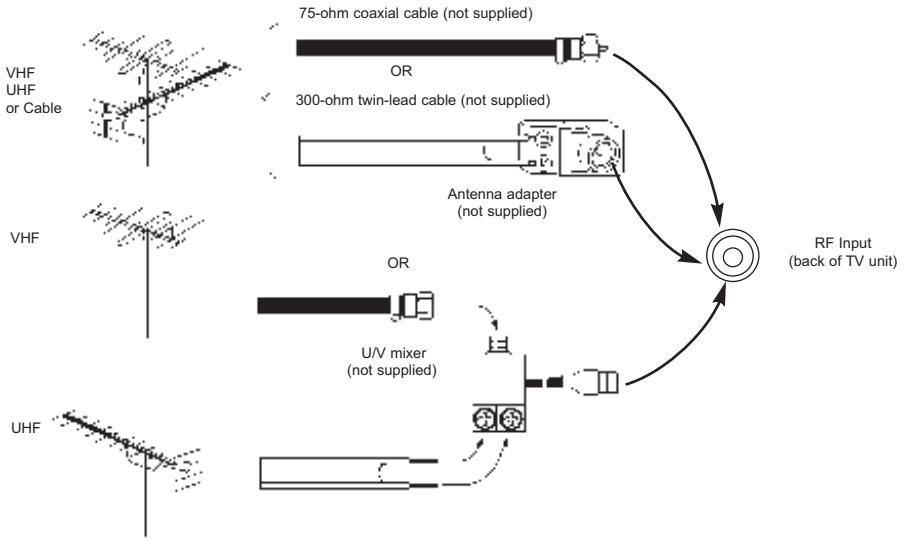
Auto-Degaussing

Color TV is easily affected by magnetism which leads to color distortion. If your unit is moved or affected by near magnetic components or appliances with power on, please power off your unit for at least 1 hour. The built-in auto-degaussing circuit will eliminate the magnetism interference.

Auto off when no signal received

The TV set will automatically enter into Standby mode when the following conditions are met.
1.TV is in antenna mode.
2.Current channel has no signal.
3.No key is pressed within 15 minutes.

Connecting the Antenna



Notes:

1) It is recommended that a 75 ohm coaxial cable be used in order to eliminate interference and noise which may occur due to nearby radio transmissions.
2) The antenna cable should not be tied together with other wiring.
3) Set up a lightning rod and check it regularly when an outdoor antenna is used.

Installing the Remote Control Batteries

1. Remove the battery compartment lid.
2. Insert two AAA batteries (included). Make sure the positive (+) and negative (-) polarities are correctly aligned.
3. Reattach the battery lid.

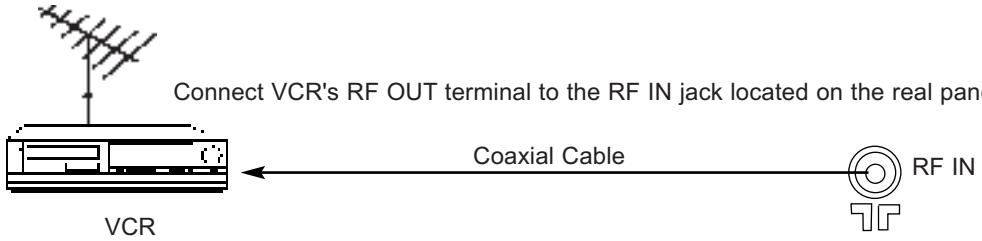
Notes:

1) Alkaline batteries are recommended for longer life.
2) Always replace both batteries at the same time.
3) Do not expose batteries to fire or break them open.
4) To avoid battery leakage, remove batteries from the remote control when it is not being used for a long period of time.

INSTALLATION (continued)

Connecting A/V Equipment

The following are diagrams showing basic instructions for attaching external equipment, like a VCR or DVD player, to your unit. Please refer to operation manuals of external audio/video equipment that will be connected to your set for additional instructions. PLEASE TURN OFF ALL POWER BEFORE CONNECTING DEVICES TOGETHER.

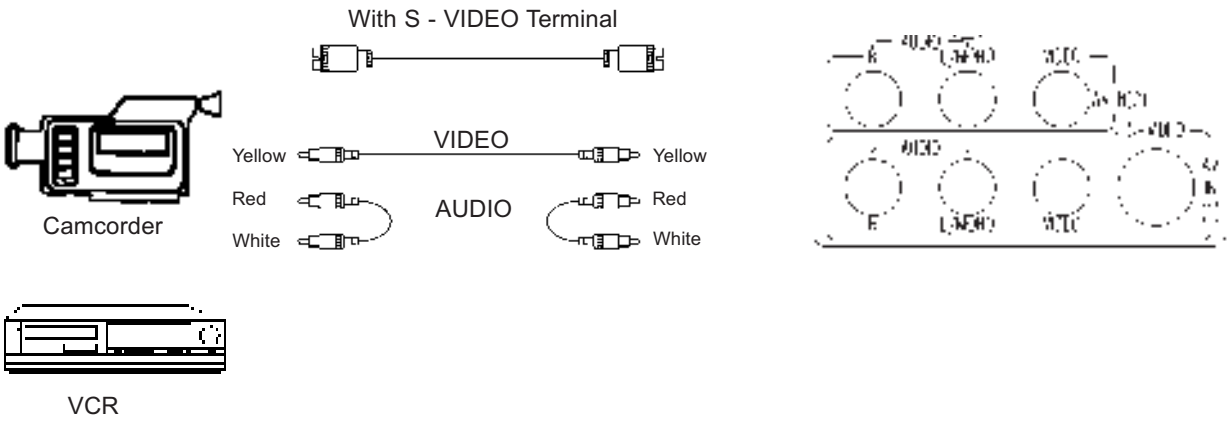


Input from Device to TV

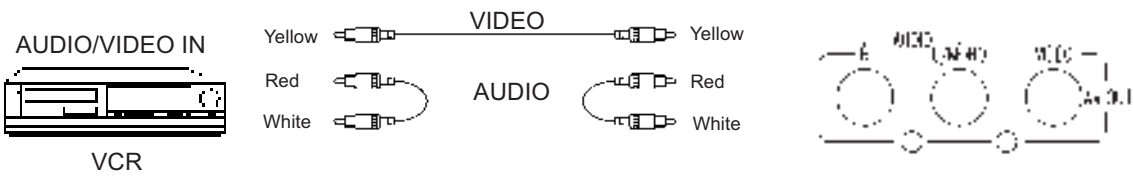
AUDIO/VIDEO OUT

DVD Player

DO NOT connect both composite (yellow video terminal) and S-Video terminal. Use only one of the two. **Also, remember to connect the audio cables when using S-Video.**



Output from TV to Device



INSTALLATION (continued)

Connecting A/V Equipment (continued)

Enjoying Digital Stereo Sound (Digital Stereo)
Enjoy the dynamic sound of Digital Stereo by connecting an amplifier equipped with a digital audio input and speaker system (right and left front speakers).
Set "AUDIO OUT" to "SPDIF/DIM"via the setup menu.

Enjoy DTS
DTS programming can deliver surround sound with five discrete full range channels plus a sixth channel for a subwoofer. You can enjoy your APEX unit with a DTS Digital Surround Sound System. All you need is to connect your unit to a DTS receiver with an external decoder.

- **How to setup the sound output:**
  From the SETUP MENU display, select AUDIO SETUP by pressing **ENTER**. Use V key, set "AUDIO OUT" to "SPDIF/RAW".

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It is forbidden by law to copy, broadcast, show, play in public, or rent copyrighted material without permission.
DVD video discs are copy protected, and any recordings made from these discs will be distorted.

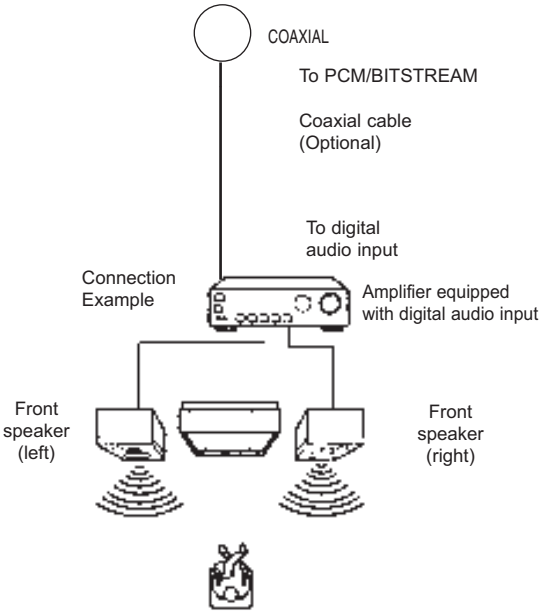
Notes:

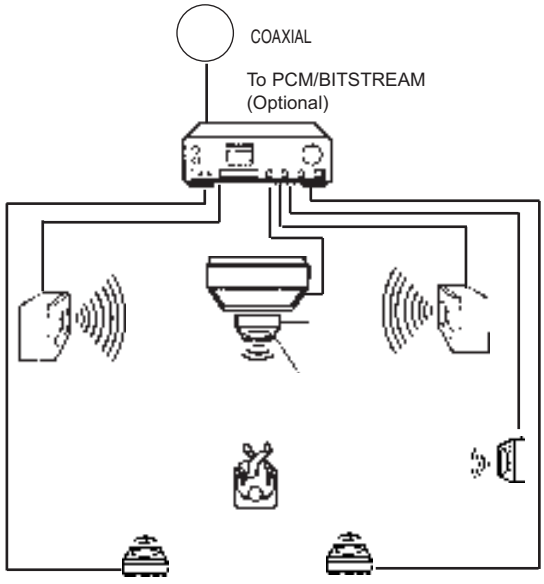
(1) Do not connect the PCM/BITSTREAM jack of the unit to the AC-3 RF input of a Dolby Digital receiver. Instead, connect to the "DIGITAL" or "COAXIAL" input of a Dolby Digital/DTS receiver or Processor. The input of the AV receiver is not compatible with the PCM/BITSTREAM jack and is primarily for Laserdiscs only.

(2) Connect the PCM/BITSTREAM jack of unit to the "DIGITAL" or "COAXIAL" input of a DTS receiver or Processor.

(3) Refer to the manual of the connected Equipment.

(4) Adjust the volume of your receiver to a comfortable listening level to avoid any speaker damage.





FUNCTIONS & FEATURES

Turn On/Off

1. Turn On

Plug in the power cord, and the TV should enter into Standby mode. Pressing **STANDBY** key will turn on the TV and its power indicator light.

2. Standby (Soft Off)

While the TV is on, press the **STANDBY** key will put the TV in Standby or off mode. The power indicator light on the TV set will turn off.

Basic Functions

Changing the Channel

While in Tuner mode, press the **CH+/-** keys to change the channel, or use the **numeric** keypad to enter a new channel.

Adjusting the Volume

To adjust the volume, press the **VOL+/ -** keys. Also, you may press the FUNCTION (**F**) key along with the **VOL +/ -** keys to adjust the volume in increments or decrements of 4.

Muting the Volume

To mute the volume, press the **MUTE** key. To restore the volume, press MUTE again or press the **VOL +** key.

Function Selection Menus

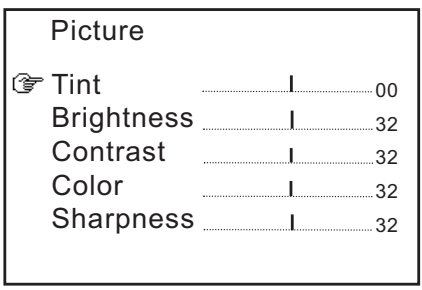
To change the setting of any function, press the **MENU** key to bring up the main menu. Press ∧/∨ to highlight the desire sub-menu and press </> (or **ENTER** key) to access. While in the sub-menu, press ∧/∨ to select the item and </> to adjust the setting. Press the **MENU** key to return to the main menu and exit.

While in the setup menu, **CH-/+** and **VOL-/+** key on the front panel will function as the ∧/∨/</> on the remote control.

Picture Menu

Features

This menu allows you to adjust the various picture settings.
Press ∧/∨ to move between the various settings, and </> to adjust them. When finished, press the **MENU** key to return to the main menu.



Tint: -31 (more greenish) to +31 (more purplish)
Brightness: 0 (dimmest) to 63 (brightest)
Contrast: 0 (minimum contrast) to 63 (maximum contrast)
Color: 0 (minimum color) to 63 (maximum color)
Sharpness: 0 (minimum sharpness) to 63 (maximum sharpness)

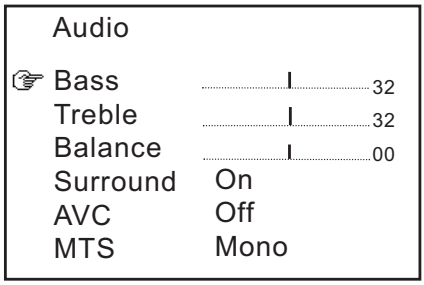
Note:

To control picture artifacts reduce the sharpness setting when viewing DVD discs.

Audio Menu

Features

This menu allows you to adjust the various audio settings.
Press ∧/∨ to move between the various settings, and </> to adjust them. When finished, press the **MENU** key to return to the main menu.

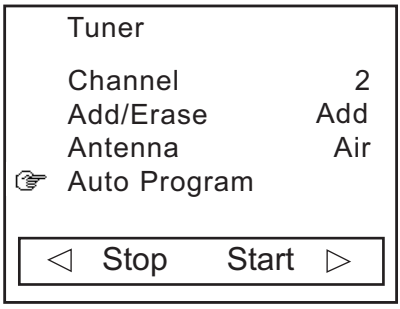


Bass: 0 (less Bass) to 63 (more Bass)
Treble: 0 (less Treble) to 63 (more Treble)
Balance: L31 (Left Dominance) to R31 (Right Dominance)
Surround: Off; On
AVC: Off, On
MTS: Please refer to the discription of **MTS/SAP** key (P15)

FUNCTIONS & FEATURES (continued)

Tuner Menu

Note: This menu is only accessible while the TV is in Tuner mode.



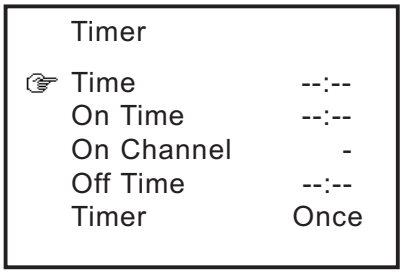
Channel: This feature allows you to change the channel displaying on screen. Press **</>** or the numeric keypad to change the channel.

Add/Erase: This feature allows you to add or remove the channel currently display on screen to the "active channel list" . Active channel list is the list of channel that is available by pressing the **CH+/-** keys. Press **</>** to add or erase.

Antenna: This feature sets the TV tuner to an Air antenna or a Cable antenna. Please use *Air* mode when using an over-the-air antenna; use *Cable* mode for a cable hookup. Press **</>** to select between the two options.

Auto Program: This feature will setup the Active channel list for the user. The list will include only the channels with a signal detected. Press > to begin and < to stop the process.

Timer Menu



Time
This feature allows you to set the clock on the TV.

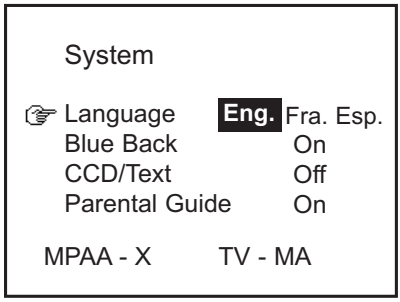
On Time
This feature allows you to preset a time when the TV set will turn on.

On Channel
This feature allows you to preset the channel on display when the On Time is activated.

Off Time
This feature allows you to preset a time when the TV set will turn off.

Timer
Timer can be set to *Once* or *Always*.

System Menu



Language
This feature allows you to pick a language used for the on screen display (OSD). Press **</>** to select the language of your choice - English (Eng.), French (Fra.) or Spanish (Esp.).

Blue Back
This feature gives you the option to display a blue background on the TV screen when there is no signal present. Press **</>** to toggle between on and off.

Closed Captions
Closed caption is a feature that allows your TV set to display, on screen, the dialogue, narration, and sound effect of a TV program. It also allows you to display teletext signal. Text and caption will be displayed at either the top or the bottom of the screen. There is nine different setting for closed caption. You can set it to one of the 4 Closed Caption settings (CC1-4), one of the 4 Text settings (T1-4), or set this feature to off (CCD/Text off).

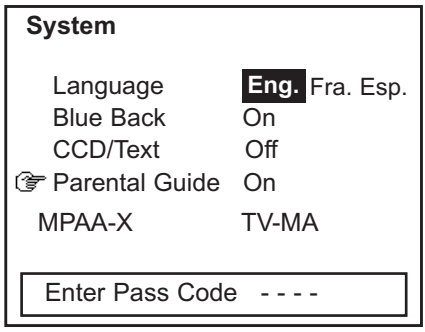
Notes: A Closed Caption signal may not be display under the following conditions:
-When there is no Closed Caption/Text signal to decode
-When the signal is weak or altered (due to interference or poor reception)
-When viewing a dubbed video tape

FUNCTIONS & FEATURES (continued)

System Menu (continued)

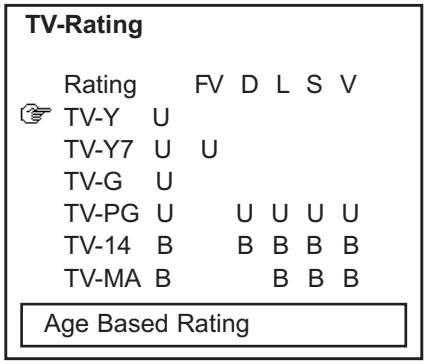
Parental Guide

This feature allows parents to block certain programs from being viewed, based on the programs' rating. In order to access this menu, you must first enter a pass code. The factory default is 6688. Enter the pass code while the Parental Guide is highlighted. Now, with Parental Guide set as On, press **>** to access the TV Rating grid.



TV Rating

Press ∧/∨ to navigate between the ratings, press the **MENU** key to block out a particular rating completely. Or, if you wish, press ∨ to highlight an individual rating (anywhere a *U* is displayed in the middle of the grid.) Pressing the **MENU** key with one of these individual ratings highlighted will block only programs that feature that particular aspect. See the TV rating diagram at right for an example. TV ratings are defined in the charts below:

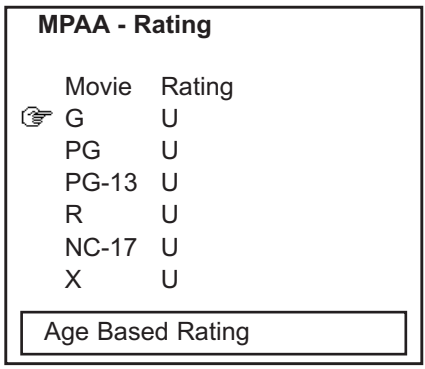


Age	Defined as
TV - Y	All Children
TV - Y7	Directed to Older Children (over 7)
TV - G	General Audience
TV - PG	Parental Guidance Suggested
TV - 14	Parents Strongly Cautioned
TV - MA	Mature Audience Only

Contents	Defined as
FV	Fantasy Violence
D	Sexual Dialogue
L	Adult Language
S	Sexual Situations
V	Violence

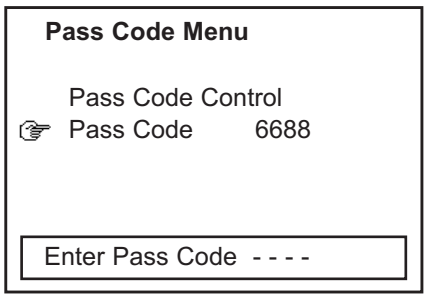
MPAA Rating

Press > while in the TV Rating grid to access this grid. Press ∧/∨ to navigate between the MPAA ratings. Pressing the **MENU** key with a rating highlighted will block that particular rating from being shown on this TV. A *B* will show in red next to the blocked rating. Please note that blocking a lower rating (for example, PG) will block all higher ratings (PG-13, R, NC-17, X.)



Pass Code Menu

This menu allows you to change the access code for the Parental Guide functions of the TV set. Press the **MENU** key when Pass Code Control is highlighted. This will turn on or off the Pass Code function. With the Pass Code function ON, you can also change the Pass Code. Press ∨ to highlight *Pass Code*, then enter the new Pass Code using the numeric keypad.



Note:

The factory pre-set password is 6688. The initial password will be replaced when the new one is used. Please contact the service centre in case you forget the password.

FUNCTIONS & FEATURES (continued)

Useful Remote Control Features

DISPLAY
This key allows you to display the current information of the TV screen on the upper right hand corner of the screen. (channel, antenna mode, time, video, etc.)

SCAN
Press the **SCAN** key twice, and the TV will begin to scan through all active channels. To stop the Scan, pressing any key can interrupt scanning. Please note that Scan will only work in Antenna mode.

PICTURE
Your TV has factory preset picture modes that allow you to optimize your TV viewing. To activate these picture modes, press this key, and you can choose among User, Normal, Movie and Sports.

SOUND
Press this key repeatedly, and you can choose among User, Normal, Speech, Movie and Music.

RECALL
This key will allow you to return to the last channel you were viewing. Pressing it again will return you to the channel you just left.

CC
Pressing the **CC** key will activate the currently selected Closed Caption or Text under the System Menu. Pressing it again will turn off the Closed Caption or Text.

VIDEO
This key allows you to toggle between antenna and different video modes.

Child Lock
The Child Lock feature prevents unauthorized viewing of the TV. To activate, press and hold the **F** key, and then press **MUTE**. You should see a key symbol appear on the screen. This will lock out all remote functions (except for Standby). To unlock the TV, press and hold the **F** key and press **MUTE**. This will unlock the TV. Please note that the only way to activate or deactivate the Child Lock feature is via remote control - please insure that it is stored securely.

Sleep
Press the **SLEEP** key repeatedly to switch the TV to one of the following modes :
-- →15 →30→ 45→ 60→ 90→120→150 →180 (Unit: Minute)
The TV will automatically enter the Standby mode when the preset Sleep time is up.
The TV will display a message one minute before the Sleep timer runs out.

0-9
Press the **0-9** keys to enter channel numbers directly (2-69 in the Air mode or 1-125 in the Cable mode).
Press the corresponding Number key(s) to enter a channel number from high-digit to low-digit.
Each digit should be entered at 3 seconds time interval.

MTS/SAP
In the TV mode, the TV can automatically identify MTS stereo modes among Mono, Stereo, Stereo/SAP and Mono/SAP.

Signal Received	Press **MTS/SAP** key
Mono	Mono
Stereo	Stereo, Mono
Stereo/SAP	Stereo, SAP, Mono
Mono/SAP	Mono, SAP

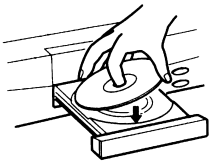
DVD FUNCTIONS

Playing Back a Disc

1. How to playback a disc

Set the AUDIO OUTPUT to ANALOG from the SETUP MENU display if you don't have the necessary equipment to enjoy Dolby Digital or DTS surround sound.

1) Press **DVD/TV** to enter the DVD mode.
2) Press **OPEN/CLOSE** to open the disc tray.
3) Place the disc on the disc tray. Be sure the playback side is faced down.



Notes:

(1) A disc may be damaged if not correctly placed on the guides in the disc tray. This may also cause the DVD player to malfunction.

(2) Do not force or place anything other than 8cm /12cm DVDs or CDs on the disc tray.

4) Press the **PLAY** key. After closing the disc tray playback will start.

If the disc you want to playback is a DVD or CD, the DVD player will start playback automatically.

The menu screen will appear automatically or you may access the menu screen by pressing the **TITLE** key.

Notes:

(1) Moving the unit during playback may cause damage to the disc as well as the unit.

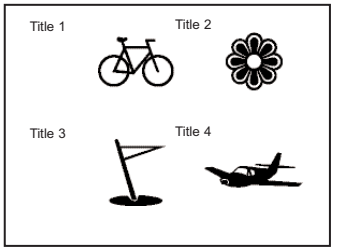
(2) To open and close the disc tray, you should only use the **OPEN/CLOSE** key.

2.About DVD CD

DVD or CD icons will appear depending on the disc being played back.

DVD: DVD video discs

CD: Audio CDs



3. How to start playback from the menu screen

1) Press ∧/∨/</> or the **Number** keys to select the title.
2) Press the **ENTER** key. The DVD player will start playback from the title selected.

4. How to pause playback (still playback)

Press the **PAUSE** key during playback.

Press the **PAUSE** key to resume normal playback.

5. How to stop playback

Press the **STOP** key. The DVD player is stopped.

Press the **PLAY** or **RESUME** key to replay.

Press the **STOP** key twice.

6. How to remove the disc

Press the **OPEN/CLOSE** key. Wait until the disc tray is completely open before removing any discs. After removing the discs, press the **OPEN/CLOSE** key to close the disc tray.

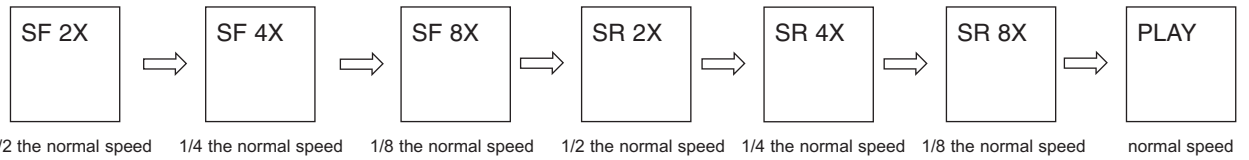
Note:

At the completion of each movie a menu screen may appear. Be aware that the on-screen setup menu may damage your TV by permanently burning that image onto the screen. To avoid this, press the **STOP** key at the completion of each movie. You may also decide to setup the SCREEN SAVER.

7. Playing in slow-motion

A disc can also be played back in slow-motion. Press the **SLOW** key during playback

TV SCREEN(FORWARD)



The playback speed becomes 1/2,1/4,or 1/8 of the normal speed each time you press the **SLOW** key.

(Reverse slow play as the same.)

Notes:

(1) During the slow-motion playback, the sound is muted.

(2) MP3 CD/CDDA does not utilize this feature.

DVD FUNCTIONS(continued)

Playing Back a Disc (continued)

8. Resuming playback from the same location

This DVD player allows you to stop playback and continue playback later from the same location on the disc.

1) Press the **STOP** key.
This will interrupt the playback and the DVD player will memorizes the location where you stopped playback.

2) Press the **PLAY** or **RESUME** key.
The DVD player will resume the playback from the location where you stopped playback.

Notes:

(1)The following actions will cancel the RESUME function:
-Unplugging the unit after you stop playback.
-Ejecting the disc.
-Adjusting/changing the parental lock.

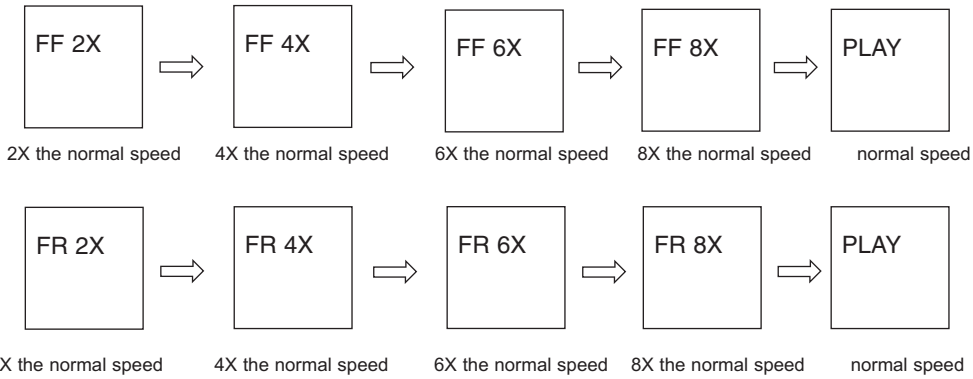
(2) On occasion depending on the disc, you may experience a difference of location where playback resumes.

(3) MP3 CD/CD does not utilize this feature.

9. Playing at 2X 4X 6X or 8X the normal speed

You can play back a disc at 2x, 4x, 6x or 8x the normal speed.
Press the **REV** or **FWD** key during playback. The playback speed becomes 2x the normal speed.

REV: Fast reverse
FWD: Fast forward

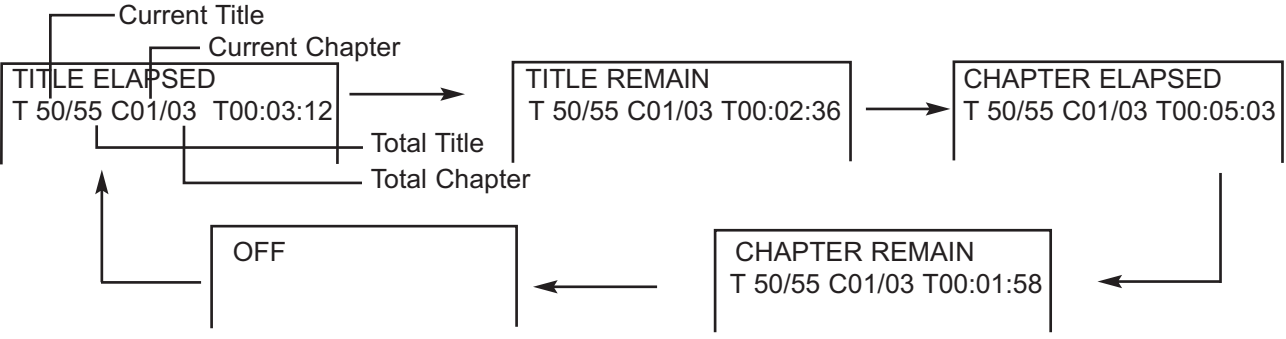


• Audio CD: The reverse or forward playback alternates between 1x, 2x, 3x, 4x speed.

Note: The speeds may vary slightly from disc to disc and are only approximate.

Using the On-Screen Display

THE UNIT ALLOWS YOU TO VIEW THE DISC INFORMATION ON THE TV SCREEN.
Press **DISPLAY** during playback, you can view the following on the TV:
-Current title, Track number, Total playing time

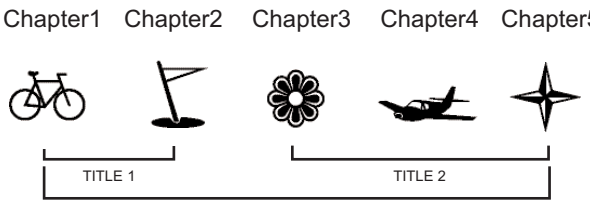


To turn off the on-screen display, press **DISPLAY** repeatedly.

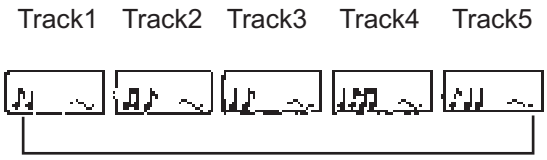
DVD FUNCTIONS(continued)

Locating a Specific Title, Chapter or Track

THE DVD VIDEO DISCS ARE NORMALLY DIVIDED INTO TITLES. THE TITLES ARE SUB-DIVIDED INTO CHAPTERS. MOREOVER, AUDIO CD and MP3 CD ARE DIVIDED INTO TRACKS. YOU CAN CONVENIENTLY LOCATE ANY SPECIFIC TITLE, CHAPTER, OR TRACK WITH THIS UNIT.



DVD Video Disc



Audio CD

1. Locating a title using the title menu

You can locate a specific title using the title menu function, if a DVD video disc contains a title menu.

1) Press the **TITLE** key. On the TV screen, the title menu will appear.
2) Press the Λ/V/</> keys to select the title you want.
   You can also directly locate a specific title by pressing its assigned number with the **Number** keys.
3) Press the **ENTER** key. This will cause the unit to start playback from chapter 1 of the title selected.

Notes:

(1) You may find that some discs will not respond to this function.
(2) If different instructions appear on the TV screen, follow those instructions. The instructions above are describing the basic procedure where the procedures may vary depending on the contents of the DVD video disc.

2. Locating a specific chapter or track

This unit allows you to locate consecutive chapters or tracks.
Press the **PREV** or **NEXT** key repeatedly to display the requested chapter or track.
The DVD player starts playback from the selected chapter or track.

How to locate proceeding chapters or tracks

• When you press the **PREV** key, the DVD player starts playback from the beginning of the proceeding chapter or track.

How to locate succeeding chapters or tracks

• When you press the **NEXT** key, the DVD player starts playback from the beginning of the succeeding chapter or track.

Note:

On some discs the titles may not display the sub-divided chapters.

3. Locating a title

If a DVD video disc contains title numbers, you can locate a specific title by directly selecting a title number.
Press the Number keys to select the title and chapter you want. e.g. To select title 3
Way 1: Press **0** first, then **3**.
Way 2: Press **3** first, then **ENTER** to confirm.
Way 3: Press **3** directly to shift to title 3 in 2 seconds.
To select two-digit, enter a first-digit and second-digit.

TITLE 03/03 CHAPTER 04/04

Note:

By pressing </> you may shift the highlights between the TITLE and CHAPTER.

DVD FUNCTIONS(continued)

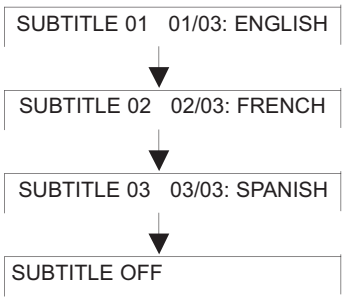
Selecting Subtitles

THIS UNIT ALLOWS YOU TO DISPLAY THE SUBTITLES FROM THOSE INCLUDED ON THE DISC, ON TO YOUR TV SCREEN.

How to display subtitles

You have the option to select a preferred subtitle from those included on the DVD video disc.

Press the **SUB-T** during playback until the subtitles disappears.

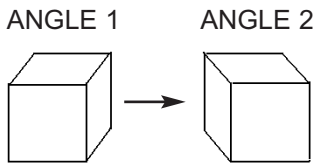


Notes:

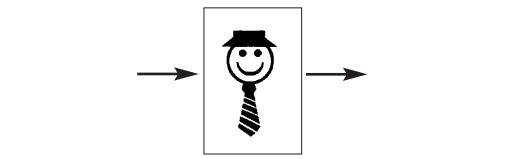
- With some DVD's, you may not be able to turn off the subtitles and they will appear on screen automatically.
- If the subtitles continue to show on your TV even after the DVD has been turned off, please refer to the TV's close caption settings.
- As you press the **SUB-T**, the subtitles may not appear immediately during some scenes.

Selecting the Camera Angles/Language/Audio Settings

THIS UNIT ALLOWS YOU TO SELECT FROM SEVERAL DIFFERENT ANGLES AND LANGUAGES.



Selecting the camera angle

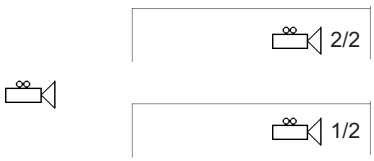


Selecting a language

1. How to change the camera angle

Press the **ANGLE** key while playing back a scene recorded with multiple angles.

You may only press the **ANGLE** key when the angle icon is flashing on the DVD display. Each time you press the **ANGLE** key, the angle will change.



Notes:

(1) The angle function will not work on DVD video discs that do not contain recorded multiple angles.

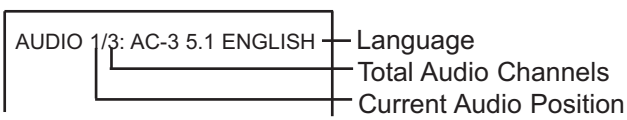
(2) During still playback, you are able to change the camera angle. However, when you resume to normal playback, the camera angle changes to the new settings.

(3) The angle icon indicator will illuminate while playing back a title that contains at least one scene recorded from multiple angles.

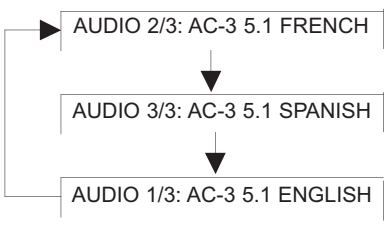
2. How to select a playback audio setting

This DVD player allows you to select a preferred language and sound recording system from those included on the DVD video disc.

1) Press the **AUDIO** key during playback.



2) Press the **AUDIO** key again to cycle backwards.



Recording systems

This DVD player uses the MPEG 2, PCM and DTS recording systems. It cannot playback DVD video discs recorded in any other recorded format.

Notes:

(1) The DVD player returns to the initial default settings when you turn on the DVD player or replace a disc.

(2) The DVD player plays the prior sound programmed on the disc when you select a format which is not included.

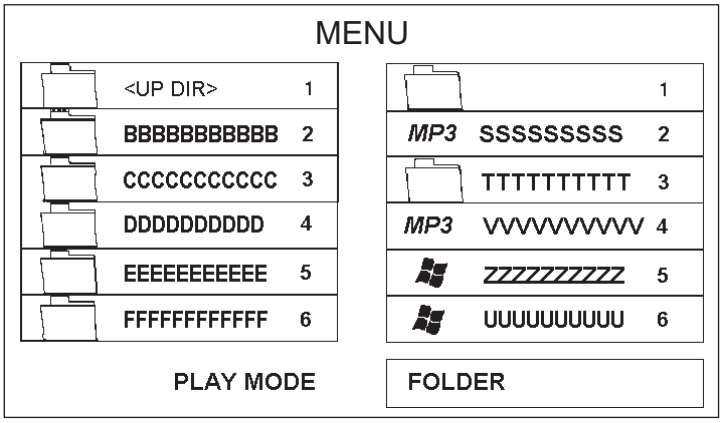
DVD FUNCTIONS(continued)

WMA/MP3 Operation

1. Insert a WMA/MP3 CD, the DVD player will initialize the disc when the tray is closed and the directory (folder) will be shown in the MENU on screen.

2. Press </> to select and highlight the PLAY MODE. Then press ∧/∨ each way to select play mode options (repeat, shuffle, etc.) Then press ∧/∨/</> to select and highlight a file (song).

3. Press **ENTER** or **PLAY** to play the file. Press **PREV** or **NEXT** during playback to skip the tracks. If you need to return to the main directory (folder), press **STOP**, then press ∧/∨/</> to return, then **ENTER** to confirm.



Notes:

* The upper left column is a list showing the name of the folder. The upper right column is a list showing the name of the song and the sub-folder.
* " " sign in front of a file name indicates that this is a folder, not a WMA /MP3 file.
* "MP3" sign in front of a file name indicates that this is an MP3 file. " " sign indicates that this is a WMA file.
* During playback, you cannot gain access to "PLAY MODE" folder or songs.
* You are allowed a maximum of 11 characters for each folder or song.
* For "SHUFFLE" playback, you are allowed playback randomly in a folder only.

Playing Back Your KODAK Picture CD

1. Normal

When a KODAK Picture CD is inserted, an automated slide show is launched. Each picture in the current directory will be displayed consecutively in a slide-show fashion and will be scaled to fit most of the TV screen. Twelve slideshow transition modes are provided. Use **RESUME** key to select: Customers can set "transition" effects for every picture at any time during the slideshow.

mode 0: no special transition effect (by default)
mode 1: wipe from top to bottom
mode 2: wipe from bottom to top
mode 3: wipe from top/bottom to center
mode 4: wipe from center to top/bottom
mode 5: vertical blind
mode 6: wipe from left to right
mode 7: wipe from right to left
mode 8: wipe from left/right to center
mode 9: wipe from center to left/right
mode 10: wipe from edge to center
mode 11: horizontal blinds
mode 12: random

To display an image in definitively, press the **PAUSE** key. To view the Next or Previous picture, press the **NEXT** or **PREV** key. To resume the slideshow press the **PLAY** key.

2. Image rotation

There are four modes to transformation: "Invert", "Mirror", "Left", and "Right". The arrow keys are used to select the different transformation modes:

UP ∧ - Invert/Normal
Down ∨ - Mirror/Normal
Left < - Turn left
Right > - Turn right

3. Menu

The **D_MENU** key is used to display thumbnail pictures. After it is enabled, up to twelve scaled-down thumbnails pictures will be displayed on the screen. The **NEXT** and **PREV** keys can be used to display the NEXT and PREVIOUS twelve pictures in the current directory.

Note:You can use the ∧/∨/</> **/ENTER** keys to select.

DVD FUNCTIONS(continued)

Playing Your JPEG Files

1. Normal Slide Show Presentation

When a JPEG disc is loaded into the player, a menu will appear on screen. From the Play Mode shown on the menu, select the "FOLDER" option using your direction keys. Each picture in the current directory will be displayed consecutively in a slideshow presentation and will be seated to the most of your TV screen. Twelve slideshow "transition" modes are provided. Use **RESUME** key to select.

2. Image rotation

There are four modes to rotate a picture: Invert, Mirror, Left, and Right. The arrow keys are used to select the different rotation modes:

UP ∧ - Invert/Normal Down ∨ - Mirror/Normal

Left < - Turn left Right > - Turn right

Setting the Parental Lock

YOU CAN USE THE PARENTAL LOCK FUNCTION ONLY WITH DVD VIDEO DISCS EQUIPPED WITH THE PARENTAL LOCK FEATURE.

Setting the parental lock

DVD video discs equipped with the parental lock function are rated according to their content. The contents allowed by a parental lock level and the way a DVD video disc can be controlled may vary from disc to disc. For example, if the disc allows, you can edit out violent scenes unsuitable for children and replace them with more suitable scenes, or lock out playback of the disc all together.

1. Press **STOP** twice during playback.

2. Press **SETUP**. The SETUP MENU appears on the TV screen.

3. Select PREFERENCES using ∨ key then press **ENTER**.

Note:

• In SETUP MENU, you can directly press ∧/∨/</> **/ENTER** to select.

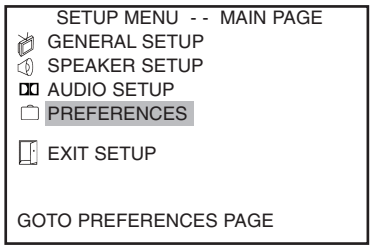
4. Select PARENTAL, press > .

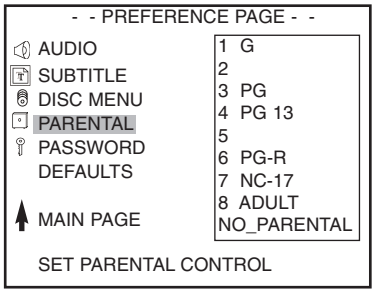
5. Select ratings, press **ENTER** key

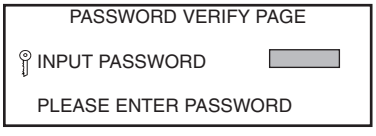
6. Enter your password then press **ENTER** key.
   The preset password is 1225.

   To change your password:
   1) Follow step 4 to select password change.
   2) Enter old password.
   3) Enter new password.
   4) Re-enter to confirm your new password.
   5) Press **ENTER**.
   6) Press **SETUP**.

7. Press **SETUP** to exit setup, press **PLAY** to start

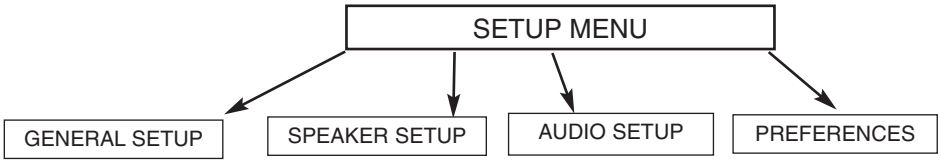






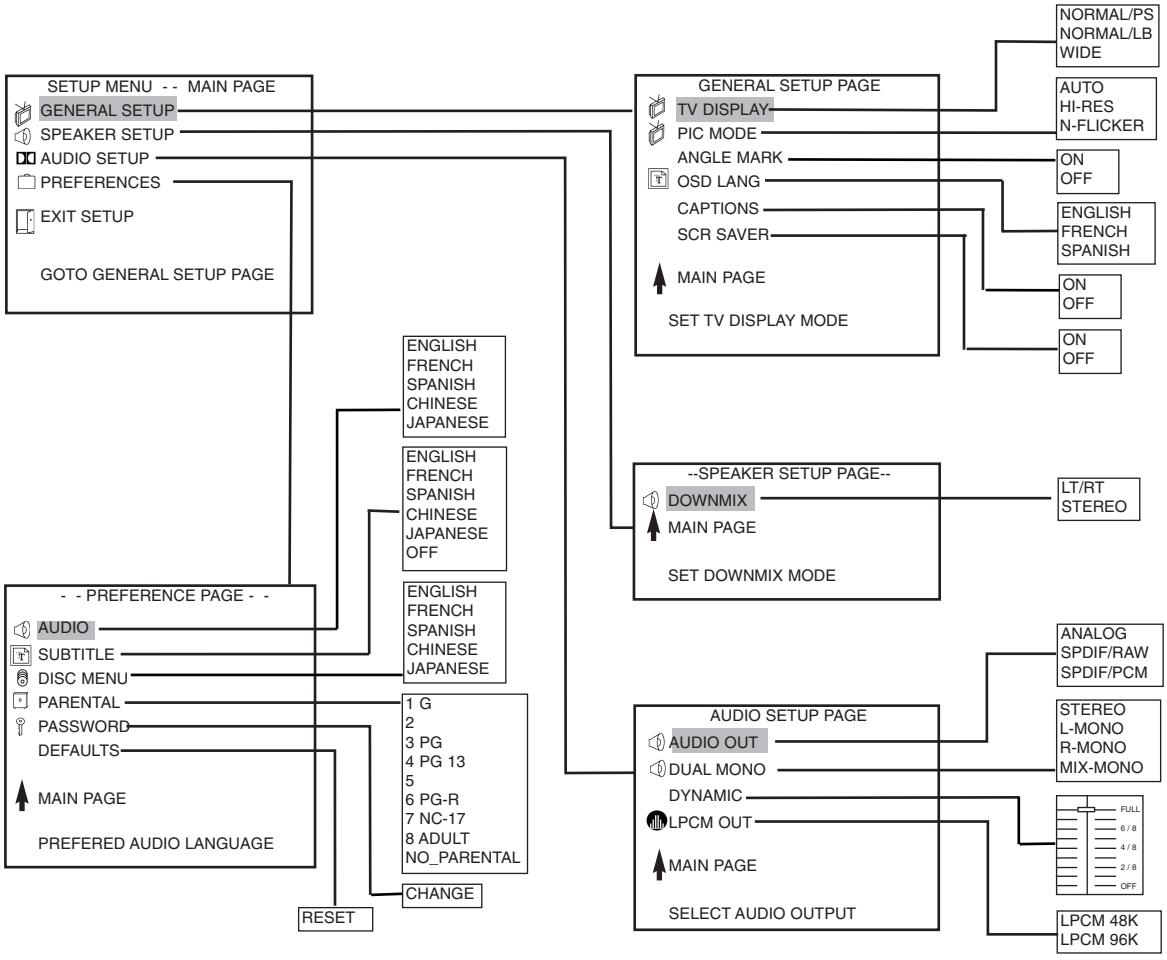
Customizing the Function Settings

THIS UNIT ALLOWS YOU TO CUSTOMIZE THE PERFORMANCE TO YOUR PERSONAL PREFERENCES.



Displaying the setup menu screen

The SETUP MENU screen asks you to select a setting category from General Setup, Speaker Setup, Audio Setup, and Preferences. The selected category will provide you the setting details on-screen.



Notes:

- Preset password is 1225.
- Highlighted function will be expanded at bottom of the screen.
- The SETUP MENU screen disappears if you press the **SETUP** key while it is displayed.
- Functions and menu may change without notice.
- You must press **STOP** twice to set up PREFERENCES.

TROUBLESHOOTING GUIDE

Check the following guide for a possible correction to a problem before contacting customer service.
Check FAQ at our website: www.apexdigitalinc.com

Symptoms	Correction
No power	• Connect the power plug into the wall outlet securely.
No picture	• Verify the connection from the VCR video output to the TV video input is secure. Then switch TVto the appropriate Video mode. • Verify coaxial cable from antenna is connected to RF IN.
No sound	• Connect the audio cables into the terminals securely. • Verify the connection from the VCR audio output to the TV audio input. Then switch to the appropriate mode on the receiver. Refer to your audio amplifier wner's manual. • Verify the volume is at an appropriate level and the mute feature is not on.
No TV signal	• Verify the TV is set to Antenna mode. • Make sure the antenna is securely connected to the RF in jack. Unplug the TV from the wall for 30 seconds, then plug in and try again. Unplug the antenna connection from the back of the TV, unplug the TV from the wall, wait for 30 seconds, then try again.
Stripe or purple interference appears in the screen	• Verify the speakers around the TV set are shielded.
Picture becomes snowy.	• Verify the antenna lead wire is in working condition. • Verify the antenna is connected securely to the RF in jack.
Picture with multi-image	• Move the antenna around to minimize multi-images.
TV channel not received	• Make sure the Air/Cable setting is correct. • Channel may be locked with block channel feature, such as Parental Control. • Check Add/Erase feature, as channel may be have been erased during set up.
Black box appears on screen.	• Verify Closed Caption feature is off.
Remote control doesn't operate.	• Batteries may be weak. Replace batteries. • Make sure nothing is in between the remote and the remote sensor.
Brightness is unstable or noises are produced on playback pictures	• What you're viewing may be effect of the copy protection circuitry required on all DVD players.Change another disc, and try again.
The DVD video player doesn't start playback	• Place the disc with the graphics side up. • Place the disc on the disc tray correctly inside the guide. • Make sure the disc is free from scratches & fingerprints. • Press the SETUP button to turn off the menu screen. • Cancel the parental lock function or change the parental lock level. (The preset password is 1225.) • Turn the power off then disconnect the power plug and reinsert it back into the wall. again. • Use region 1 disc only.
MP3 won't read disc or it skips	• Reburn disc as the software edition used may not be compatible with the player. Check web site for instruction. • Use new editions of software such as Voyetra Audiostation 4, Adaptec's "Easy CD Creator" or NT Roxio's Toast Titanium, etc. • Make sure MP3 file are not encoded with a variable bit rate such as provided by Real Networks.

TV/DVD Combo Warranty Information

Apex Digital, Inc. makes the following limited warranties. These limited warranties extend to the original consumer purchaser or any person receiving this product as a gift from the original consumer purchaser and to no other purchaser or transferee.

Limited Ninety (90) Days Warranty

Apex Digital, Inc. warrants this product and its parts against defects in material or workmanship for a period of ninety (90) days after the date of original retail purchase. During this period Apex Digital, Inc. will repair or replace a defective part or product at their option, with a new or refurbished part or product, without charge to you.You must deliver the entire product to an Authorized Apex Digital, Inc. Service Center. You are responsible for all packing, transportation and insurance charges for the set to and from the Service Center.

Limited One (1) Year Warranty

Apex Digital, Inc. further warrants the parts in this product against defects in material or workmanship for a period of one (1) year after the date of original retail purchase with exception of the remote control which is guaranteed for ninety (90) days. During this period Apex Digital, Inc. will replace a defective part with a new or refurbished part without charge to you, except that if a defective part is replaced after ninety (90) days from the date of original retail purchase, you are responsible to pay all labor charges involved in the part(s) replacement. You must also deliver the entire product to an Apex Digital, Inc. Authorized Service Center. You are responsible for all packing, transportation and insurance charges for the set to and from the Service Center.

Rental Product

The warranty for a rental product begins with the original date of receipt by the rental firm.

Your Responsibility

The above warranties are subject to the following conditions:

- **You must retain your bill of sale to provide proof of purchase.**
- **You must retain all packing materials for return shipment.**
- All warranty service of this product must be made by an Authorized Apex Digital, Inc. Service Center.
- These warranties are effective only if the product is purchased and operated in the U.S.A.
- Labor service charges for set installation, setup, adjustment of customer controls and installation or repair of any type of antenna or cable systems are not covered by this warranty. Reception problems caused by inadequate antenna or cable system are your responsibility.
- **Warranties extend only to defects in materials or workmanship as limited above and do not extend to any product or parts which have been lost or discarded by you or damage to product or parts caused by misuse, accident, damage caused by Acts of God, such as lightning or fluctuations in electrical power, improper installation, improper maintenance or use in violation of instructions furnished by us; or to product which has been modified or had the serial number removed, altered, defaced or rendered illegible.**

How to Obtain Warranty Service

If after following all the operating instructions in this manual and reading the section *TROUBLESHOOTING* you find that service is necessary:

1. Contact our Customer Service Center directly call 866 4 APEXINC (866 427 - 3946), Mon - Fri 8:30am - 5pm (California).
2. After obtaining the requested information, you must present your receipt to the Authorized Service Center to obtain warranty service.
3. You must deliver the entire product to the Authorized Service Center. You are responsible for all transportation for the product to and from the Service Center.

Limitations

All warranties implied by state law, including the implied warranties of merchantability and fitness for a particular purpose, are expressly limited to the duration of the limited warranties as set forth above. With the exception of any warranties implied by state law as hereby limited, the foregoing warranty is exclusive and in lieu of all other warranties, guarantees, agreements and similar obligations of manufacturers or seller with respect to the repair or replacement of any parts. In no event shall Apex Digital, Inc. be liable for consequential or incidental damages.

No person, agent, distributor, dealer or company is authorized to change, modify or extend the terms of these warranties in any manner whatsoever. The time within which action must be commenced to enforce any obligation of Apex Digital, Inc. arising under this warranty or under any stature, or law of the United States or any state thereof, is hereby limited to ninety (90) days from the date you discover or should have discovered the defect. This limitation does not apply to implied warranties arising under state law.

This warranty gives you specific rights and you may also have these rights which may vary from state to state. Some states do not allow limitation on how long an implied warranty lasts, when an action may be brought, or the exclusion or limitation of incidental or consequential damages, so the above provisions may not apply to you.

APEX Digital, Inc.
Ontario, CA 91761

FOR SERVICE CALL: 866-4-APEX-INC
http://www.apexdigitalinc.com